

FAG

★ 21307-E1-XL-K-TVPB

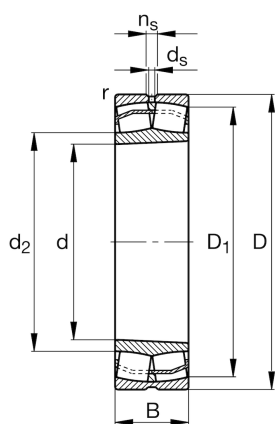
Spherical roller bearing

Schaeffler ID:
0190145110000Spherical roller bearings 213...E1-K, main
dimensions to DIN 635-2, with tapered
bore, taper 1:12

★ Preferred product

X-life

Technical information



Temperature range

T_{\min}	-30 °C	Operating temperature min.
T_{\max}	120 °C	Operating temperature max.
	0,491 kg	Weight

Main Dimensions & Performance Data

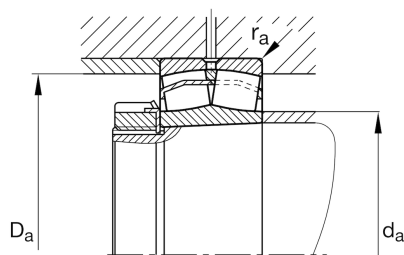
d	35 mm	Bore diameter
D	80 mm	Outside diameter
B	21 mm	Width
C_r	83.000 N	Basic dynamic load rating, radial
C_{0r}	74.000 N	Basic static load rating, radial
C_{ur}	8.300 N	Fatigue load limit, radial
n_G	10.900 1/min	Limiting speed
n_{gr}	6.800 1/min	Reference speed

Dimensions

r_{\min}	1,5 mm	Minimum chamfer dimension
D_1	66,6 mm	Bore diameter outer ring
d_2	47,4 mm	Raceway diameter of the inner ring

Mounting dimensions

$d_{a \min}$	44 mm	Minimum diameter shaft shoulder
$D_{a \max}$	71 mm	Maximum diameter of housing shoulder
$r_{a \max}$	1,5 mm	Maximum recess radius
$B_{a \min}$	8 mm	Minimum cavity width of the sleeve
$d_{a \max}$	47 mm	Maximum diameter of shaft shoulder
$d_{b \min}$	39 mm	Minimum cavity diameter of the sleeve



Additional information

	H307	Adapter sleeve
e	0,26	Limiting value of Fa/Fr for the applicability of diff. Values of factors X and Y
Y ₁	2,55	Dynamic axial load factor
Y ₂	3,8	Dynamic axial load factor
Y ₀	2,5	Static axial load factor